

FIG. 2

FIG. 3A

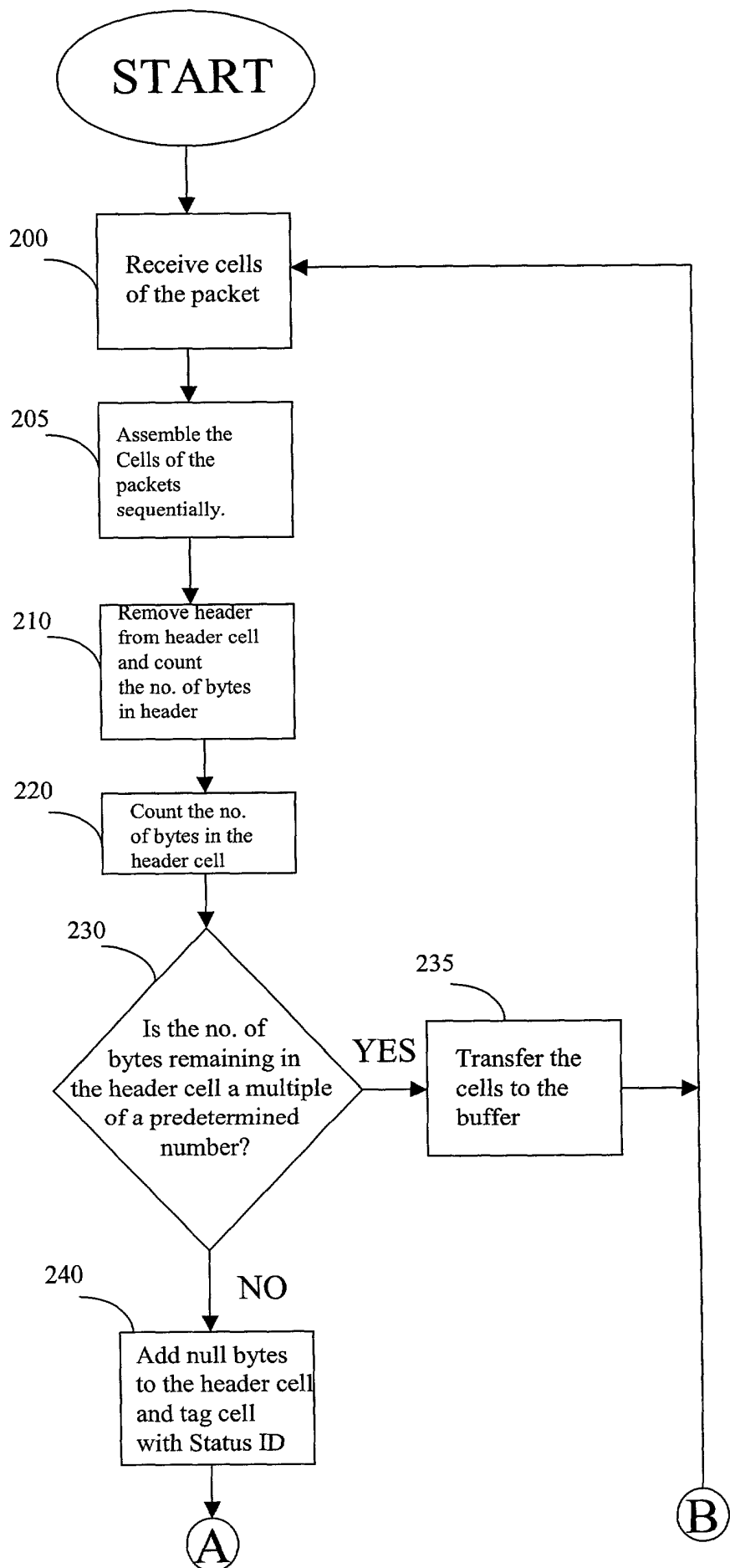


FIG. 3A

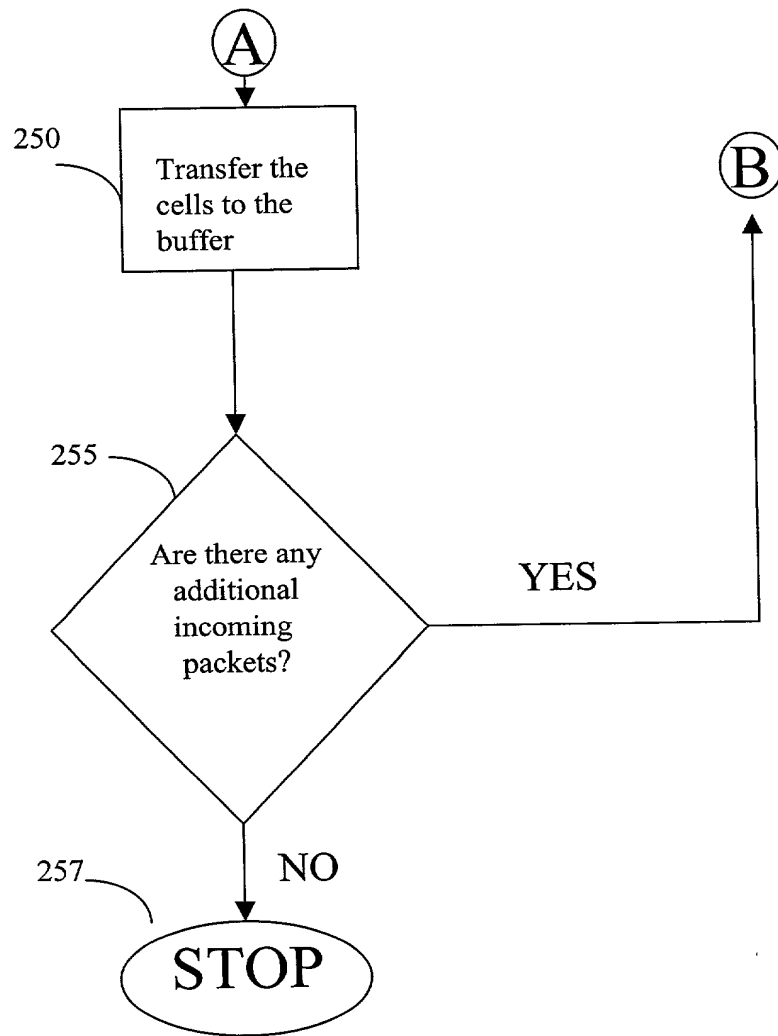


FIG. 3B

FIG. 3C

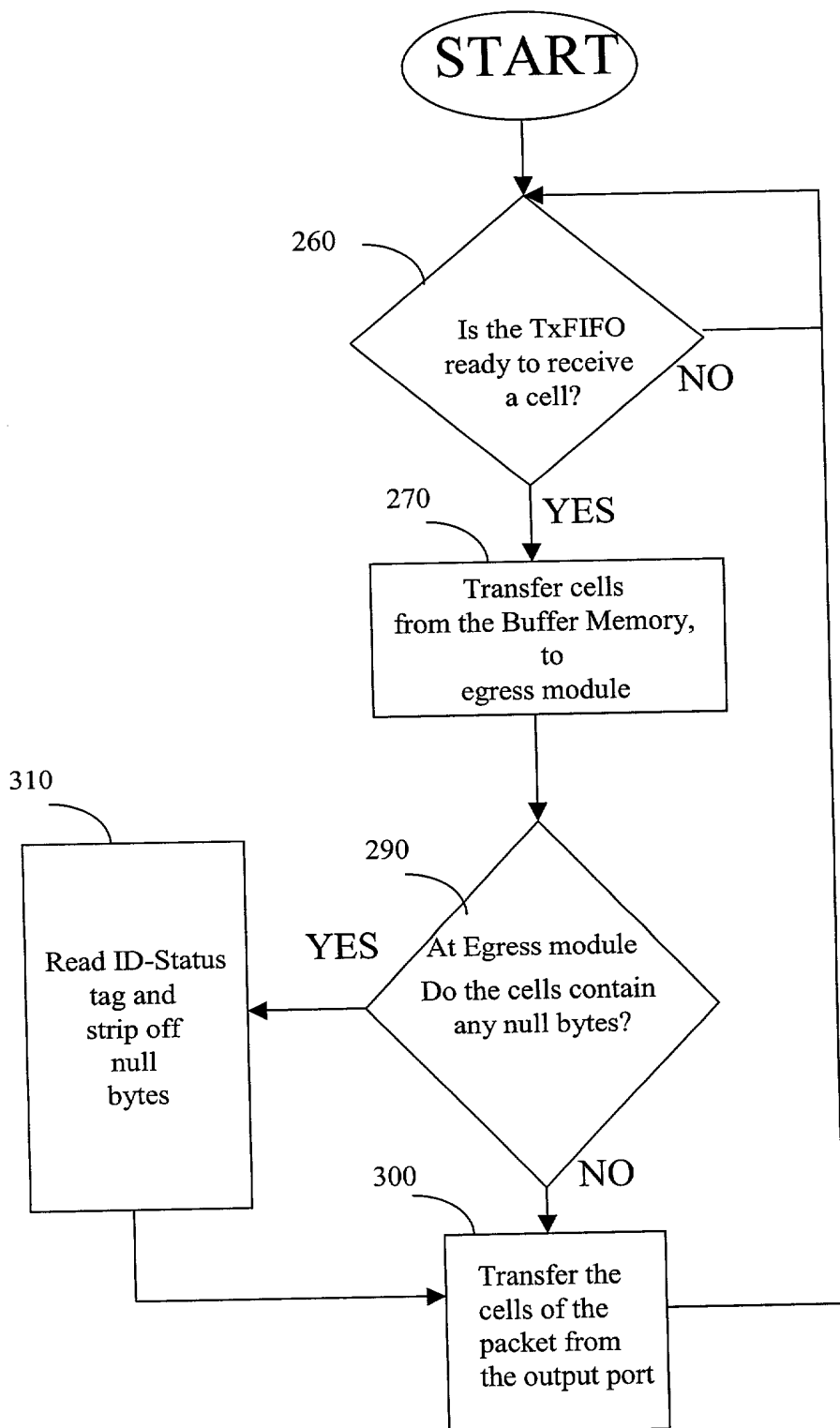


FIG. 3C

350

MAC Header Word 1

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
	E	E _St at us	IP_Type			L3_Type			L3_TOS_Diff			M P L S	L 2 V	L2_Pri ority	L2_T ype	Ingress Port (Channel) ID															

Bit	Name	Description
31	Error	0: Frame contains no MAC-detectable error 1: Frame contains error - See E_Status for detail
30~29	E_Status	00: reserved 10: L3 Header Checksum Error 11: L3 IP Header TTL<=1

FIG. 4A

28~26	IP_Type	IP (Layer 4) Protocol Type 000: TCP 001: UDP 010: ICMP 011: IGMP 100 ~ 110: reserved 111: Other - Not Recognized
25~22	L3_Type	Layer 3 Frame Type - Please note that for bit 25= (IP type) bit 23 signifies option field use, and bit 22, fragmentation. 0000: IPv4 - Not Fragmented and No Option Field in Use 0001: IPv4 - Fragmented and No Option Field in Use 0010: IPv4 - Option Field in Use 0011: IPv4 - Fragmented and Option Field in Use 0100 ~ 1110: reserved 1111: Other - Not Recognized
21~16	L3_TOS_Diff	Value of IP TOS/Diffserv field content.
15	MPLS Status	MPLS Label Status 0: No Label Stack 1: MPLS Label Present
14	L2_VTAG	802.1Q VLAN Tag Status 0: No VLAN Tag 1: VLAN Tag Present
13~11	L2 Priority	Value of 802.1Q VLAN Priority from Tag or default Please note if Token Ring, FDDI MAC is implemented, this value is copied from the MAC frame, if a tag is not available.
10~8	L2_Type	Layer 2 Frame Type 000: Ethernet Version 2 001: PPP 010: IEEE 802.3/802.2 SNAP 011: IEEE 802.3/802.2 SAP 100: reserved 101: null (raw MPLS datagram) - Ingress must specify this 110: null (raw L3 datagram) - Ingress must specify this 111: Unprocessed - All other fields are meaningless.
7~0	InPortID	Ingress Port (Channel) ID

FIG. 4B